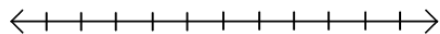
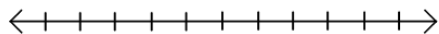


Solve the following inequalities and graph the solution on a number line.

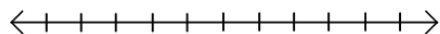
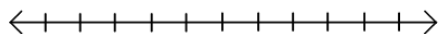
1)  $-\frac{2}{3}(3x - 6) > -4$

2)  $\frac{4x+10}{3} \geq 6$



3)  $\frac{4}{5}x - \frac{1}{2} \leq \frac{2}{5}$

4)  $-\frac{3}{4}x \leq \frac{2}{3}$



5) Write and solve an inequality for the following situation:

Mark wants to make money shoveling snow for his neighbors. He spends \$49 on a new shovel and salt to melt the ice. If he charges \$8 per driveway. How many driveways does he need to shovel to make at least \$95?

Simplify:

6)  $(11x - 8) + 7(x - 1)$

7)  $-\frac{1}{2}(-4x + 6)$

8) Find the area of a circle whose diameter is 18m.

9) Determine if the circumference of a circle with a radius of 4 feet will be greater or less than 24 feet. Explain how you know.

10) The screen on Lin's cell phone allows for 8 lines of text per message. The maximum number of characters for each message is 160. How many characters can each line hold? Write an equation and solve.